

ABSTRACT

The present invention relates to apparatus for measuring the genetic sequence of electrically charged biopolymers by means of hybridization. The measuring apparatus comprises a container that contains a biopolymer and can be removed from the apparatus, and electrodes that apply an electric field to the container and are electrically insulated from the container. When an electric field is applied to the container, suspended biopolymeric molecules are attracted toward the positive electrode, thus increasing the speed of hybridization.